	F INFORMATION DISCLO Inder 37 CFR 1.97(b) or 1.9		Docket No. VI/99-022.D2
In Re Application Of: D	DAVID M. REILLY		
Serial No. to be assigned	Filing Date July 14, 2003	Examiner to be assigned	Group Art Unit to be assigned
Title: INJECTOR SYSTEM IN ENGAGES A SYRINGE		VE MEMBER THAT AUTOM	ATICALLY ADVANCES AND
of a national application; before Action after the f	Assistant Con Washing  37 C  Disclosure Statement submitted plication other than a continued the date of entry of the national are the mailing of a first Office Acriling of a request for continued e  37 C  Disclosure Statement submitted	prosecution application under stage as set forth in 37 CFR etion on the merits, or before the transfer of the	er 37 CFR 1.53(d); within R 1.491 in an international he mailing of a first Office 14.
Final Action und	ovided that the Information Disc der 37 CFR 1.113, a Notice of sprosecution in the application, a	of Allowance under 37 CFR	1.311, or an Action that
	nent specified in 37 CFR 1.97(e)  OR  et forth in 37 CFR 1.17(p).		
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TRANSMITTAL OF I	Docket No. VI/99-022.D2		
In Re Application: DAV	VID M. REILLY		
Serial No.	Filing Date	Examiner	Group Art Unit
to be assigned	July 14, 2003	to be assigned	to be assigned
INJECTOR SYSTEM INCL ENGAGES A SYRINGE PL		VE MEMBER THAT AUTOMA	ATICALLY
as described below. ☐ Charge the ☐ Credit any o	(Only complete if Applicant el int of is atta nissioner is hereby authorized A duplicate copy of this shee amount of overpayment.	ment of Fee ects to pay the fee set forth in 37 CF ached. I to charge and credit Deposit A et is enclosed.	
	additional fee required.	Certificate of Mailing	g by First Class Mail
	and authorization to charge deposite transmitted to the United States ce (F	as first class mail unde addressed to the Assistant Washington, D.C. 20231.	vith the U.S. Postal Service r 37 C.F.R. 1.8 and is
Typed or Printed Nam	ne of Person Signing Certificate	Typed or Printed Name of	Person Mailing Certificate
deposit accounts	only becused if paying by	Dated: July 14, 2003	
Gregory L. Bradley Medrad, Inc. One Medrad Drive Indianola, PA 15051	aturę		
cc:			

Atty. Docket No.: VI/99-022.D2

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)
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REILLY	) )
Serial No.: Unassigned	Art Unit: To be Assigned
Filed: July 14, 2003	) )
For: INJECTOR SYSTEM INCLUDING AN	) Examiner: To be Assigned
INJECTOR DRIVE MEMBER THAT	)
AUTOMATICALLY ADVANCES AND	)
ENGAGES A SYRINGE PLUNGER	)

# INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

## Dear Sir:

This Information Disclosure Statement is being filed in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98. The items listed on the attached Forms PTO-1449 may be deemed to be relevant to the patentability of the above-identified application, and are made of record to assist the Patent and Trademark Office in its examination of this application. The Examiner is respectfully requested to fully consider the items and to independently ascertain their teaching.

## Parent Application and Copies of Cited References

The references cited in the attached Forms PTO-1449 have been made of record in parent Application Serial No. 09/448,835, and copies thereof may be found in the

corresponding application file. Applicant requests the Examiner to make the noted references of record in the file of this application.

# Co-pending Related Applications

Applicant wishes to bring a number of co-pending related applications to the Examiner's attention. These applications may contain subject matter related to that disclosed and/or claimed in the present application.

- U.S.S.N. 10/174,631, filed on June 19, 2002;
- U.S.S.N. 10/159,592, filed on May 30, 2002;
- U.S.S.N. 09/777,020, filed on February 5, 2001;
- U.S.S.N. 09/765,498, filed on January 18, 2001;
- PCT/AU01/00830, filed on July 10, 2001, which designates the United States; and
- U.S.S.N. 09/731,108, filed on December 6, 2000; and
- U.S.S.N. 10/606,157, filed June 25, 2003.

The Examiner is respectfully requested to initial the attached Forms PTO-1449 to indicate consideration of the references, and to return copies of the initialed forms to the undersigned counsel.

This Information Disclosure Statement is being filed before the mailing of a first Office Action on the merits, and NO FEE is due for consideration of this Information

Disclosure Statement.

Date: July 14, 2003

Respectfully submitted,

Gregory I. Bradley Reg. No. 34,299

Medrad, Inc. One Medrad Drive Indianola, PA 15051 (412) 767-2400 x3021

### CERTIFICATE OF EXPRESS MAILING

"Express Mail" Mailing Label No. EL207494270US. Date of Deposit: July 14, 2003. I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service "Express Mail Post Office To Addressee" Service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Dawn M. Dedola

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MINER TIAL	REF	DOCUMEN <sup>F</sup> NUMBÉR	DATE	NAME	CLASS	SUBCLASS	1	NG DATE ROPRIATI
	AA	1,988,480	1/22/1935	Campkin				
	AB	2,702,547	2/22/1955	Glass				
	AC	3,051,173	8/28/1962	Johnson, et al.				
	AD	3,623,474	11/30/1971	Heilman, et al.				<del></del>
	AE	3,645,262	2/29/1972	Harrigan				
	AF	3,701,345	10/31/1972	Heilman, et al.				
	AĢ .	3,720,211	3/13/1973	Kyrias				
	АН	3,738,539	6/12/1973	Beich				
	AI	3,796,218	3/12/1974	Burke, et al.		<u>.</u>		· ;
	A.J	3,812,843	5/28/1974	Wootten, et al.		•	,	
	AK	3,964,139	6/22/1976	Kleinmann, et al.	e and a Miles			
			<del>y i gamiyy ,</del>	FOREIGN PATENT DOCUMENTS		2 7	-	
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Trans YES	dation NO
	AL	0 160 303	11/6/1985	Europe		-	I LS	1 10
	AM	0 164 904	12/18/1985	Europe	3 .			
	AN	0 320 168	6/14/1989	Europe		_		
	AO	0 323 321	7/5/1989	Europe		<del>-</del>		-
	AP	0 346 950	12/20/1989	Europe				
				OTHER DOCUMENTS (Including A	luthor, Title, Dat	e, Pertinent <b>P</b> a	ges, Etc.)	·
7		Liebel-Flarsheim Compa 3-8, 4-52 to 4-56.	nny, Angiomat 6	000 Digital Injection System Operato	r's Manual, 60	00950 Rev 1 (	1990); pgs.	3-6 to
	A	Q 3-0, 4-32 to 4-30.						1.
	_	Brochure for "Augiomat	t 6000" of Liebe	l-Flarsheim, 2111 E. Galbraith Road,	Cincinnati, O	Н 45215, сор	yright 198'	7.
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AS	3,987,940	10/26/1976	Tischlinger			
	AT	4,006,736	2/8/1977	Kranys, et al			
	ΑU	4,030,498	6/21/1977	Tompkins			
	ΑÝ	4,080,967	3/28/1978	O'Leary	,		
	AW	4,155,490	5/22/1979	Glenn			
	AX	4,226,236	10/7/1980	Genese			
	AY	4,278,086	7/14/1981	Hodgins, et al.			
	ΑZ	4,345,595	8/24/1982	Whitney, et al.			
	ВА	4,351,332	9/28/1982	Whitney, et al.			
	вв	4,356,822	11/2/1982	Winstead-Hall			<del></del>
	вс	4,424,720	1/10/1984	Bucchianeri		, , , , ,	· · · · · · · · · · · · · · · · · · ·

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
		DOCUMENT NOMBER	. UATE (	COOKINI	CE-555	30002733	YES	NO
	BD	0 364 010	4/18/1990	Europe				-
	BE	0 384 657	8/29/1990	Europe				
	BF	0 482 677	4/29/1992	Europe		-		
	BG	0 523 343	1/20/1993	Europe			:	
<del> </del>	вн	0 567 944	11/3/1993	Europe				:

ra			OTHER DOCUMENTS	(Including Author,	Title, Date, Pertine	ent Pages, Etc.)	•
			Brochure for "Angiomat CT	of Liebel-Flarsheim,	2111 E. Galbraith Ro	oad, Cincinnati, OH 45215, Co	pyright 1988.
		BI					
		i i	Brochure for "PercuPump 1	A" of E-Z-EM, Inc., 71	7 Main Street, Westl	oury, NY 11590, copyright 199	).
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE  IF APPROPRIATE
	вк	4,452,251	6/5/1984	Heilman		f .	
<del></del>	BL.	4,453,934	6/12/1984	Gahwiler, et al.			
<del></del> .	ВМ	4,464,265	8/7/1984	Joyner			
	BN	4,465,472	8/14/1984	Urbaniak			
,	во	4,465,473	8/14/1984	Ruegg			
	вР	4,475,666	10/9/1984	Bilbrey, et al.			
	BQ	4,476,381	10/9/1984	Rubin			
	BR	4,493,646	1/15/1985	Lacour, et al.			
	BS	4,529,401	7/16/1985	Leslie, et al.	. : : : : : : : : : : : : : : : : : : :		
	вт	4,585,439	4/29/1986	Michel	, , , , , , , , , , , , , , , , , , ,		
,	BU	4,604,847	8/12/1986	Moulding, Jr., et al.	<del></del>		

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
,		OAIC				YES	NO
BV	0 584 531	3/2/1994	Europe				
BW	0 736 306	10/9/1996	Europe			-	a
вх	0 749 757	12/27/1996	Europe			<del></del>	
ВУ	0 900 573	3/10/1999	Europe				
BZ	0 919 251	6/2/1999	Europe				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		CA	Medrad, Mark V/Mark V Plus Injector Operation Manual, KMP 805P Rev. B (1990); pgs. 1-18 to 1-28, 3-7 to 3-13, 14-1 to 14-4.
	Ţ	СВ	Brochure for the "The First and Only True Injection System," Medrad Mark V System, Control No. 85106-00-BA-02, 11/88.

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	cc	4,612,010	9/16/1986	Hamacher, et al.				
·	CD	4,617,016	10/14/1986	Blomberg				
	CE	4,636,198	1/13/1987	Stade				
	CF	4,648,872	3/10/1987	Kamen				
ľ	CG	4,650,475	3/17/1987	Smith, et al.				
	СН	4,652,260	3/24/1987	Fenton, Jr., et al.				
	CI	4,664,128	5/12/1987	Lee				· · · · · · · · · · · · · · · · · · ·
-	CJ	4,676,776	6/30/1987	Howson				
(	CK	4,677,980	7/7/1987	Reilly, et al.				
(	CIL	4,681,566	7/21/1987	Fenton, Jr., et al.			-	
C	СМ	4,685,903	8/11/1987	Cable, et al.			·	
			FORE	IGN PATENT DOCUMENTS	<del> </del>	-		
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL YES	ATION NO
c	אכ	DE 29 19 978	11/20/1980	Germany				1
¢	20	DE 32 27 417	2/17/1983	Germany				1
c	XP	DE 40 17 920	12/12/1991	Germany			*	1
c	ŷ	DE 196 01 214	8/22/1996	Germany		·		1
c	CR	DE 196 33 530	2/26/1998	Germany			- <del> </del>	1
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	cs	4,685,903	8/11/1987	Cable, et al.				
	CT	4,695,271	9/22/1987	Goethel		-		<del></del>
	CÜ	4,705,509	11/10/1987	Stade				
	CV	4,722,734	2/2/1988	Kolln				
	CW	4,741,732	5/3/1988	Crankshaw, et al.				
	CX	4,741,736	5/3/1988	Brown				
	CY	4,749,109	6/7/1988	Kamen				
	CZ	4,767,406	8/30/1988	Wadham, et al.				
	DA	4,773,900	9/27/1988	Cochran				
	DB	4,838,857	6/13/1989	Strowe, et al.				
I	DC .	4,840,616	6/20/1989	Banks				
			FOR	EIGN PATENT DOCUMENTS	· ,	<del>(************************************</del>		
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSI YES	LATION NO
C	D	61-500415	3/13/1986	Japan			123	1
D	ÞΕ	63-68177	3/28/1988	Japan				1
E	)F	847,914	1/10/1961	United Kingdom				
D	G .	1 380 873	1/15/1975	United Kingdom				
D	H	WO 80/02376	11/13/1980	WIPO				
		OTHER DOCUM	TNTS (Includir	ng Author, Title, Date, Pertinent P	ogos Etal	_ <del></del>	<del></del>	<del></del>

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EXAMINER NITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
	DI	4,842,581	6/27/1989	Davis	*		IF AFROFRIATE			
	DJ	4,853,521	8/1/1989	Claeys, et al.						
	DK	4,854,324	8/8/1989	Hirschman, et al.						
	DL	4,869,720	9/26/1989	Chernack						
	DM	4,878,896	11/7/1989	Garrison, et al.						
	DN	4,911,695	3/27/1990	Lindner						
	DO	4,929,238	5/29/1990	Baum						
	DP	4,936,833	6/26/1990	Sams			. 4			
( <sub>1</sub> ,	DQ	4,943,279	7/24/1990	Samiotes, et al.						
-	DR	4,966,601	10/30/1990	Draenert			4 - 1			
	DS	4,969,874	11/13/1990	Michel, et al.			74.			
			FORE	EIGN PATENT DOCUMENTS	, ,					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO			
	DT	WO 85/00292	1/31/1985	WIPO						
	DU	WO 85/02256	5/23/1985	WIPO						
	DV	WO 89/06145	7/13/1989	WIPO						
	DW	WO 89/11310	11/30/1989	WIPO	<u>.</u>					
	ΟX	WO 90/01962	3/8/1990	WIPO	7-14					
		OTHER DOCUMEN	NTS (Includin	ng Author, Title, Date, Pertinent F	Pages, Etc.)					
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D.	Y	4,978,335	12/18/1990	Arthur, III				
D <sub>2</sub>	z	4,988,337	1/29/1991	Ito			; ;	* <del></del>
EA	A	5,007,904	4/16/1991	Densmore, et al.				
E	В	5,033,650	7/23/1991	Colin, et al.			· <del></del>	
EC	C :	5,034,004	7/23/1991	Crankshaw				<del></del>
ED	D :	5,047,014	9/10/1991	Mosebach, et al.				
EE	E !	5,078,683	1/7/1992	Sancoff, et al.				
EF	-   :	5,084,017	1/28/1992	Maffetone				
EG	3 :	5,085,638	2/4/1992	Farbstein, et al.				
ЕН	1 4	5,085,643	2/4/1992	Larkin, et al.				
EI		5,093,079	3/3/1992	Bakaitis, et al.				
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Eı	1	WO 91/04759	4/18/1991	WIPO				
EK	. 1	WO 92/21391	12/10/1992	WIPO				
EL	. \	WO 94/25089	11/10/1994	WIPO	·			
EM	1 \	WO 96/32975	10/24/1996	WIPO.				
EN	V	WO 97/36635	10/9/1997	WIPO	-			
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EO	5,104,374	4/14/1992	Bishko	, et al.							
EP	5,135,507	8/4/1992	Haber,	et al.							
EQ	5,153,827	10/6/1992	Coutre	, et al.							
ER	5,226,897	7/13/1993	Nevens	, et al.				·			
ES	5,236,416	8/17/1993	McDan	iel, et al.		<u> </u>	ļ	·			
ET	5,242,408	9/7/1993	Jhuboo	, et al.		ļ .		· .			
EU	5,254,101	10/19/1993	Trombi	ey, III			i <sub>ar</sub> ,				
EV.	5,256,157	10/26/1993				<u> </u>		·			
EW	5,269,762	12/14/1993	<del> </del>					<del></del>			
EX	5,275,582	1/4/1994	Wimme	r				· · · · · · · · · · · · · · · · · · ·			
EY	5,279,569	1/18/1994	<u></u>	<del></del>							
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	FA	5,282,792	2/1/1994	Imbert			
	FB	5,300,031	4/5/1994	Neer, et al.			
<del></del>	FC	5,317,506	5/31/1994	Coutre, et al.			
	FD	5,324,273	6/28/1994	Discko, Jr.			
	FE	5,338,309	8/16/1994	Imbert			
	FF	5,342,298	8/30/1994	Michaels, et al.			
	FG ·	5,354,287	10/11/1994	Wacks			
	гн	5,356,375	10/18/1994	Higley		, .	1
	FI .	5,356,393	10/18/1994	Haber, et al.		· · · · · · · · · · · · · · · · · · ·	<del></del>
	FJ	5,383,858	1/24/1995	Reilly, et al.			<del> </del>
	FK	5,425,716	6/20/1995	Kawasaki, et al.			

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TIAL							IF APPRO	PRIATE
	FL	5,429,602	7/4/1995	Hauser				
	FM	5,431,627	6/11/1995	Pastrone, et al.				
<del>,</del>	FN	5,439,452	8/8/1995	McCarty				
	FO	5,451,211	9/19/1995	Neer, et al.				
	FP	5,456,670	10/10/1995	Neer, et al.		*		
	FQ	5,520,653	5/28/1996	Reilly, et al.				
* .	FR	5,531,698	7/2/1996	Olsen	3.	·		
	FS	5,533,981	7/9/1996	Mandro, et al.				
, - , <b>, , , , ,</b>	FT	5,535,746	7/16/1996	Hoover, et al.			*	
	FU	5,545,140	8/13/1996	Conero, et al.				
	FV	5,658,261	8/19/1997	Neer, et al.				
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	FW	5,662,612	9/2/1997	Niehoff				
	FX	5,681,285	10/28/1997	Ford, et al.				
	FY	5,681,286	10/28/1997	Niehoff				<del></del>
	FZ	5,683,367	11/4/1997	Jordan, et al.				<del></del>
	GA	5,738,659	4/14/1998	Neer, et al.				<del></del>
	GВ	5,741,227	4/21/1998	Sealfon				·
	GC	5,741,232	4/21/1998	Reilly, et al.				<del></del>
	GD	5,779,675	7/14/1998	Reilly, et al.				<del></del>
	GE	5,795,333	8/18/1998	Reilly, et al.				<del></del>
	GF	5,808,203	9/15/1998	Nolan, Jr., et al.				<del></del>
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	GG .	5,827,219	10/27/1998	Uber, III, et al.					
· .	СН	5,865,805	2/2/1999	Ziemba		7/10		/16/1997	
	C1	5,873,861	2/23/1999	Hitchins, et al.			11/12/19	96	
	GJ	5,899,885	5/4/1999	Reilly, et al.			8/14/199	8/14/1997	
	GK	5,913,844	6/22/1999	Ziemba, et al.	_		6/17/199	7	
	GL	5,919,167	7/6/1999	Mulhauser, et al.	,		4/8/1998	<b>I</b>	
	GM	5,938,639	8/17/1999	Reilly, et al.			8/14/199	7	
	GN	5,944,694	8/31/1999	Hitchins, et al.		,	11/12/19	96	
	GO	5,947,929	9/7/1999	Trull		- 1	11/22/19	97	
	GP	5,947,935	9/7/1999	Rhinehart, et al.			11/25/19	97	
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	GQ	5,954,697	9/21/1999	Srisathapat, et al.			3/2/19	98	
	GR	5,954,700	9/21/1999	Kovelman			1/13/19	998	
	GS	5,997,502	12/7/1999	Reilly, et al.			7/28/1997 2/20/1998 11/4/1998		
	СТ	6,048,334	4/11/2000	Hirschman, et al.					
	GU	6,059,756	5/9/2000	Yeh					
-	GV	6,080,136	6/27/2000	Truli, et al.			11/11/1998		
	GW	6,083,197	7/4/2000	Umbaugh			10/1/1998		
(	GX	6,090,064	7/18/2000	Reilly, et al.					
k	GY	Re. 32,974	7/4/1989	Porat, et al.				<del></del>	
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<del></del>	GΖ	5,573,	515	11/12/1996	Wilson et al.							
	НА	5,882,	343	3/16/1999	Wilson et al.							
	нв	6,099,	502	8/8/2000	Duchon et al.							
	нс	6,221,	045	4/24/2001	Duchon et al.							
	HD	5,445,	622	8/29/1995	Brown							
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